CHAPTER III

May 2002

Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)

Excludes2: autoimmune disease (systemic) NOS (M35.9)
certain conditions originating in the perinatal period (P00-P96)
complications of pregnancy, childbirth and the puerperium (O00-O99)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E90)
human immunodeficiency virus [HIV] disease (B20)
injury, poisoning and certain other consequences of external causes (S00-T98)
neoplasms (C00-D49)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R94)

This chapter contains the following blocks:

D50-D53	Nutritional anemias
D55-D59	Hemolytic anemias
D60-D64	Aplastic and other anemias
D65-D69	Coagulation defects, purpura and other hemorrhagic conditions
D70-D78	Other diseases of blood and blood-forming organs
D80-D89	Certain disorders involving the immune mechanism

Nutritional anemias (D50-D53)

D50 Iron deficiency anemia

Includes: asiderotic anemia
hypochromic anemia

D50.0 Iron deficiency anemia secondary to blood loss (chronic)
Posthemorrhagic anemia (chronic)
Excludes1: acute posthemorrhagic anemia (D62)
congenital anemia from fetal blood loss (P61.3)

D50.1 Sideropenic dysphagia
Kelly-Paterson syndrome
Plummer-Vinson syndrome

D50.8 Other iron deficiency anemias
Iron deficiency anemia due to inadequate dietary iron intake

D50.9 Iron deficiency anemia, unspecified

D51 Vitamin B_{12} deficiency anemia

Excludes1: vitamin B_{12} deficiency (E53.8)

D51.0 Vitamin B_{12} deficiency anemia due to intrinsic factor deficiency
Addison anemia
Biermer anemia
Pernicious (congenital) anemia
Congenital intrinsic factor deficiency

D51.1 Vitamin B_{12} deficiency anemia due to selective vitamin B_{12} malabsorption with proteinuria
Imerslund (-Gräsbeck) syndrome
Megaloblastic hereditary anemia

D51.2 Transcobalamin II deficiency

D51.3 Other dietary vitamin B_{12} deficiency anemia
Vegan anemia

D51.8 Other vitamin B_{12} deficiency anemias

D51.9 Vitamin B_{12} deficiency anemia, unspecified

D52 Folate deficiency anemia

Excludes1: folate deficiency without anemia (E53.8)

D52.0 Dietary folate deficiency anemia
Nutritional megaloblastic anemia

D52.1 Drug-induced folate deficiency anemia
Use additional external cause code (Chapter XX) to identify drug.

D52.8 Other folate deficiency anemias

D52.9 Folate deficiency anemia, unspecified
Folic acid deficiency anemia NOS

D53 Other nutritional anemias

Includes: megaloblastic anemia unresponsive to vitamin B12 or folate therapy

D53.0 Protein deficiency anemia
Amino-acid deficiency anemia
Orotaciduric anemia
Excludes1: Lesch-Nyhan syndrome (E79.1)

D53.1 Other megaloblastic anemias, not elsewhere classified
Megaloblastic anemia NOS
Excludes1: Di Guglielmo's disease (C94.0)

D53.2 Scorbutic anemia
Excludes1: scurvy (E54)

D53.8 Other specified nutritional anemias
Anemia associated with deficiency of copper
Anemia associated with deficiency of molybdenum

Anemia associated with deficiency of zinc
Excludes1: nutritional deficiencies without mention of anemia, such as:
copper deficiency NOS (E61.0)
molybdenum deficiency NOS (E61.5)
zinc deficiency NOS (E60)

D53.9 Nutritional anemia, unspecified
Simple chronic anemia
Excludes1: anemia NOS (D64.9)

Hemolytic anemias (D55-D59)

D55 Anemia due to enzyme disorders

Excludes1: drug-induced enzyme deficiency anemia (D59.2)

D55.0 Anemia due to glucose-6-phosphate dehydrogenase [G6PD] deficiency
Favism
G6PD deficiency anemia

D55.1 Anemia due to other disorders of glutathione metabolism
Anemia (due to) enzyme deficiencies, except G6PD, related to the hexose monophosphate [HMP] shunt pathway
Anemia (due to) hemolytic nonspherocytic (hereditary), type I

D55.2 Anemia due to disorders of glycolytic enzymes
Hemolytic nonspherocytic (hereditary) anemia, type II
Hexokinase deficiency anemia
Pyruvate kinase [PK] deficiency anemia
Triose-phosphate isomerase deficiency anemia
Excludes1: disorders of glycolysis not associated with anemia (E74.8)

D55.3 Anemia due to disorders of nucleotide metabolism

D55.8 Other anemias due to enzyme disorders

D55.9 Anemia due to enzyme disorder, unspecified

D56 Thalassemia

Excludes1: sickle-cell thalassemia (D57.4)

D56.0 Alpha thalassemia
Alpha thalassemia major
Hemoglobin H disease
Severe alpha thalassemia
Triple gene defect alpha thalassemia
Excludes1: alpha thalassemia minor (D56.3)
asymptomatic alpha thalassemia (D56.3)
hydrops fetalis due to hemolytic disease (P56.-)

D56.1 Beta thalassemia
Beta thalassemia major

Cooley's anemia
Homozygous beta thalassemia
Severe beta thalassemia
Thalassemia intermedia
Excludes1: beta thalassemia minor (D56.3)
delta-beta thalassemia (D56.2)

D56.2 Delta-beta thalassemia
Homozygous delta-beta thalassemia
Excludes1: delta-beta thalassemia minor (D56.3)

D56.3 Thalassemia minor
Alpha thalassemia minor
Alpha thalassemia trait
Beta thalassemia minor
Delta-beta thalassemia minor
Excludes1: alpha thalassemia (D56.0)
beta thalassemia (D56.1)
delta-beta thalassemia (D56.2)

D56.4 Hereditary persistence of fetal hemoglobin [HPFH]

D56.8 Other thalassemias
Excludes1: sickle cell anemia (D57.-)
sickle-cell thalassemia (D57.4)

D56.9 Thalassemia, unspecified
Mediterranean anemia (with other hemoglobinopathy)
Thalassemia (minor) (mixed) (with other hemoglobinopathy)

D57 Sickle-cell disorders
Excludes1: other hemoglobinopathies (D58.-)

D57.0 Sickle-cell anemia with crisis
Hb-SS disease with crisis

D57.1 Sickle-cell anemia without crisis
Sickle-cell anemia NOS
Sickle-cell disease NOS
Sickle-cell disorder NOS

D57.2 Double heterozygous sickling disorders
Hb-SC disease
Hb-SD disease
Hb-SE disease

D57.3 Sickle-cell trait
Hb-S trait
Heterozygous hemoglobin S

D57.4 Sickle-cell thalassemia
Sickle-cell beta thalassemia
Thalassemia Hb-S disease

D57.8 Other sickle-cell disorders

D58 Other hereditary hemolytic anemias

Excludes1: hemolytic anemia of the newborn (P55.-)

D58.0 Hereditary spherocytosis
Acholuric (familial) jaundice
Congenital (spherocytic) hemolytic icterus
Minkowski-Chauffard syndrome

D58.1 Hereditary elliptocytosis
Elliptocytosis (congenital)
Ovalocytosis (congenital) (hereditary)

D58.2 Other hemoglobinopathies
Abnormal hemoglobin NOS
Congenital Heinz body anemia
Hb-C disease
Hb-D disease
Hb-E disease
Hemoglobinopathy NOS
Unstable hemoglobin hemolytic disease
Excludes1: familial polycythemia (D75.0)
Hb-M disease (D74.0)
hereditary persistence of fetal hemoglobin [HPFH] (D56.4)
high-altitude polycythemia (D75.1)
methemoglobinemia (D74.-)

D58.8 Other specified hereditary hemolytic anemias
Stomatocytosis

D58.9 Hereditary hemolytic anemia, unspecified

D59 Acquired hemolytic anemia

D59.0 Drug-induced autoimmune hemolytic anemia
Use additional external cause code (Chapter XX) to identify drug.

D59.1 Other autoimmune hemolytic anemias
Autoimmune hemolytic disease (cold type) (warm type)
Chronic cold hemagglutinin disease
Cold agglutinin disease
Cold agglutinin hemoglobinuria
Cold type (secondary) (symptomatic) hemolytic anemia
Warm type (secondary) (symptomatic) hemolytic anemia
Excludes1: Evans' syndrome (D69.3)
hemolytic disease of fetus and newborn (P55.-)
paroxysmal cold hemoglobinuria (D59.6)

D59.2 Drug-induced nonautoimmune hemolytic anemia
Drug-induced enzyme deficiency anemia
Use additional external cause code (Chapter XX) to identify drug.

D59.3 Hemolytic-uremic syndrome

D59.4 Other nonautoimmune hemolytic anemias
Mechanical hemolytic anemia
Microangiopathic hemolytic anemia
Toxic hemolytic anemia
Use additional external cause code (Chapter XX) to identify cause.

D59.5 Paroxysmal nocturnal hemoglobinuria [Marchiafava-Micheli]
Excludes1: hemoglobinuria NOS (R82.3)

D59.6 Hemoglobinuria due to hemolysis from other external causes
Hemoglobinuria from exertion
March hemoglobinuria
Paroxysmal cold hemoglobinuria
Use additional external cause code (Chapter XX) to identify cause.
Excludes1: hemoglobinuria NOS (R82.3)

D59.8 Other acquired hemolytic anemias

D59.9 Acquired hemolytic anemia, unspecified
Idiopathic hemolytic anemia, chronic

Aplastic and other anemias (D60-D64)

D60 Acquired pure red cell aplasia [erythroblastopenia]
Includes: red cell aplasia (acquired) (adult) (with thymoma)

D60.0 Chronic acquired pure red cell aplasia

D60.1 Transient acquired pure red cell aplasia

D60.8 Other acquired pure red cell aplasias

D60.9 Acquired pure red cell aplasia, unspecified

D61 Other aplastic anemias
Excludes1: neutropenia (D70.-)

D61.0 Constitutional aplastic anemia
Fanconi's anemia
Pancytopenia with malformations
Excludes1: congenital red cell aplasia (D61.4)

D61.1 Drug-induced aplastic anemia
Use additional external cause code (Chapter XX) to identify drug.

D61.2 Aplastic anemia due to other external agents
Use additional external cause code (Chapter XX) to identify cause.

D61.3 Idiopathic aplastic anemia

D61.4 Congenital red cell aplasia
Blackfan-Diamond syndrome
Congenital (pure) red cell aplasia
Familial hypoplastic anemia
Primary (pure) red cell aplasia

Red cell (pure) aplasia of infants
Excludes1: acquired pure red cell aplasia (D60.-)
constitutional aplastic anemia (D61.0)

D61.8 Other specified aplastic anemias

D61.9 Aplastic anemia, unspecified
Hypoplastic anemia NOS
Medullary hypoplasia
Panmyelophthisis

D62 Acute posthemorrhagic anemia

Excludes1: anemia due to chronic blood loss (D50.0)
blood loss anemia NOS (D50.0)
congenital anemia from fetal blood loss (P61.3)

D63 Anemia in chronic diseases classified elsewhere

D63.0 Anemia in neoplastic disease
Code first neoplasm (C00-D49)

D63.1 Anemia in chronic renal failure
Anemia in end-stage renal disease
Code first underlying renal disease

D63.8 Anemia in other chronic diseases classified elsewhere
Code first underlying disease, such as:
diphyllobothriasis (B70.0)
hookworm disease (B76.0-B76.9)
hypothyroidism (E00.0-E03.9)
malaria (B50.0-B54)
symptomatic late syphilis (A52.79)
tuberculosis (A18.89)

D64 Other anemias

Excludes1: refractory anemia (D46.-)

D64.0 Hereditary sideroblastic anemia
Sex-linked hypochromic sideroblastic anemia

D64.1 Secondary sideroblastic anemia due to disease
Code first underlying disease

D64.2 Secondary sideroblastic anemia due to drugs and toxins
Use additional external cause code (Chapter XX) to identify drug or toxin

D64.3 Other sideroblastic anemias
Sideroblastic anemia NOS
Pyridoxine-responsive sideroblastic anemia NEC

D64.4 Congenital dyserythropoietic anemia
Dyshematopoietic anemia (congenital)
Excludes1: Blackfan-Diamond syndrome (D61.4)

Di Guglielmo's disease (C94.0)

D64.8 Other specified anemias
Infantile pseudoleukemia
Leukoerythroblastic anemia

D64.9 Anemia, unspecified

Coagulation defects, purpura and other hemorrhagic conditions (D65-D69)

D65 Disseminated intravascular coagulation [defibrination syndrome]

Includes: afibrinogenemia, acquired
consumption coagulopathy
diffuse or disseminated intravascular coagulation [DIC]
fibrinolytic hemorrhage, acquired
fibrinolytic purpura
purpura fulminans

Excludes1: disseminated intravascular coagulation (complicating):
abortion or ectopic or molar pregnancy (O00-O07, O08.1)
in newborn (P60)
pregnancy, childbirth and the puerperium (O45.0, O46.0, O67.0, O72.3)

D66 Hereditary factor VIII deficiency

Includes: classical hemophilia
deficiency factor VIII (with functional defect)
hemophilia NOS
hemophilia A

Excludes1: factor VIII deficiency with vascular defect (D68.0)

D67 Hereditary factor IX deficiency

Includes: christmas disease
factor IX deficiency(with functional defect)
hemophilia B
plasma thromboplastin component [PTC]deficiency

D68 Other coagulation defects

Excludes1: abnormal coagulation profile (R79.2)
coagulation defects complicating:
abortion or ectopic or molar pregnancy (O00-O07, O08.1)
pregnancy, childbirth and the puerperium (O45.0, O46.0, O67.0, O72.3)

D68.0 Von Willebrand's disease
Angiohemophilia

Factor VIII deficiency with vascular defect
Vascular hemophilia
Excludes1: capillary fragility (hereditary) (D69.8)
factor VIII deficiency NOS (D66)
factor VIII deficiency with functional defect (D66)

D68.1 Hereditary factor XI deficiency
Hemophilia C
Plasma thromboplastin antecedent [PTA] deficiency
Rosenthal's disease

D68.2 Hereditary deficiency of other clotting factors
AC globulin deficiency
Congenital afibrinogenemia
Deficiency of factor I [fibrinogen]
Deficiency of factor II [prothrombin]
Deficiency of factor V [labile]
Deficiency of factor VII [stable]
Deficiency of factor X [Stuart-Prower]
Deficiency of factor XII [Hageman]
Deficiency of factor XIII [fibrin stabilizing]
Dysfibrinogenemia (congenital)
Hypoproconvertinemia
Owren's disease
Proaccelerin deficiency

D68.3 Hemorrhagic disorder due to intrinsic circulating anticoagulants
Hemorrhagic disorder due to intrinsic increase in antithrombin
Hemorrhagic disorder due to intrinsic increase in anti-VIIIa
Hemorrhagic disorder due to intrinsic increase in anti-IXa
Hemorrhagic disorder due to intrinsic increase in anti-Xa
Hemorrhagic disorder due to intrinsic increase in anti-XIa
Hyperheparinemia
Excludes1: drug induced hemorrhagic disorder (D68.5)

D68.4 Acquired coagulation factor deficiency
Deficiency of coagulation factor due to liver disease
Deficiency of coagulation factor due to vitamin K deficiency
Excludes1: vitamin K deficiency of newborn (P53)

D68.5 Drug-induced hemorrhagic disorder
Use additional external cause code (Chapter XX) to identify any administered anticoagulant.
Excludes1: hemorrhagic disorder due to intrinsic circulating anticoagulants (D68.3)

D68.6 Hypercoagulation states
Excludes1: lupus anticoagulant (D68.81)
thrombotic thrombocytopenic purpura (M31.1)

D68.61 Primary hypercoagulation states
Hypercoagulation states NOS

D68.610 Activated protein C resistance

Factor V Leiden mutation

D68.611 Prothrombin gene mutation

D68.618 Other primary hypercoagulation states

D68.62 Secondary hypercoagulation states

D68.8 Other specified coagulation defects

Excludes1: hemorrhagic disease of newborn (P53)

D68.81 Lupus anticoagulant syndrome

Lupus anticoagulant

Presence of systemic lupus erythematosus [SLE] inhibitor

D68.89 Other specified coagulation defects

D68.9 Coagulation defect, unspecified

D69 Purpura and other hemorrhagic conditions

Excludes1: benign hypergammaglobulinemic purpura (D89.0)
cryoglobulinemic purpura (D89.1)
essential (hemorrhagic) thrombocythemia (D47.3)
hemorrhagic thrombocythemia (D47.3)
purpura fulminans (D65)
thrombotic thrombocytopenic purpura (M31.1)
Waldenström's hypergammaglobulinemic purpura (D89.0)

D69.0 Allergic purpura

Allergic vasculitis
Nonthrombocytopenic hemorrhagic purpura
Nonthrombocytopenic idiopathic purpura
Purpura anaphylactoid
Purpura Henoch(-Schönlein)
Purpura rheumatica
Vascular purpura

D69.1 Qualitative platelet defects

Bernard-Soulier [giant platelet] syndrome
Glanzmann's disease
Grey platelet syndrome
Thromboasthenia (hemorrhagic) (hereditary)
Thrombocytopathy

Excludes1: von Willebrand's disease (D68.0)

D69.2 Other nonthrombocytopenic purpura

Purpura NOS
Purpura simplex
Senile purpura

D69.3 Idiopathic thrombocytopenic purpura

Evans' syndrome

D69.4 Other primary thrombocytopenia

Excludes1: thrombocytopenia with absent radius (Q87.2)
transient neonatal thrombocytopenia (P61.0)
Wiskott-Aldrich syndrome (D82.0)

D69.5 Secondary thrombocytopenia
Use additional external cause code (Chapter XX) to identify cause.
Excludes1: transient thrombocytopenia of newborn (P61.0)

D69.6 Thrombocytopenia, unspecified

D69.8 Other specified hemorrhagic conditions
Capillary fragility (hereditary)
Vascular pseudohemophilia

D69.9 Hemorrhagic condition, unspecified

Other diseases of blood and blood-forming organs (D70-D78)

D70 Neutropenia

Includes: agranulocytosis
Excludes1: transient neonatal neutropenia (P61.5)

D70.0 Congenital agranulocytosis
Congenital neutropenia
Infantile genetic agranulocytosis
Kostmann's disease

D70.1 Agranulocytosis secondary to cancer chemotherapy
Code first underlying neoplasm
Use additional external cause code (Chapter XX) to identify drug.

D70.2 Other drug-induced agranulocytosis
Use additional external cause code (Chapter XX) to identify drug.

D70.3 Other agranulocytosis

D70.4 Cyclic neutropenia
Periodic neutropenia

D70.8 Other neutropenia

D70.9 Neutropenia, unspecified

D71 Functional disorders of polymorphonuclear neutrophils

Includes: cell membrane receptor complex [CR3] defect
chronic (childhood) granulomatous disease
congenital dysphagocytosis
progressive septic granulomatosis

D72 Other disorders of white blood cells

Excludes1: basophilia (D75.8)
immunity disorders (D80-D89)
neutropenia (D70)
preleukemia (syndrome) (D46.9)

D72.0 Genetic anomalies of leukocytes
Alder (granulation) (granulocyte) anomaly

Alder syndrome
May-Hegglin (granulation) (granulocyte) anomaly
May-Hegglin syndrome
Pelger-Huët (granulation) (granulocyte) anomaly
Pelger-Huët syndrome
Hereditary leukocytic hypersegmentation
Hereditary leukocytic hyposegmentation
Hereditary leukomelanopathy
Excludes1: Chediak (-Steinbrinck)-Higashi syndrome (E70.330)

D72.1 Eosinophilia
Allergic eosinophilia
Hereditary eosinophilia
Excludes1: Löffler's syndrome (J82)
pulmonary eosinophilia (J82)

D72.8 Other specified disorders of white blood cells
Lymphocytic leukemoid reaction
Monocytic leukemoid reaction
Myelocytic leukemoid reaction
Excludes1: leukemia (C91-C95)
leukocytosis (R72.0)
lymphocytosis (symptomatic) (R72.0)
lymphopenia (R72.1)
monocytosis (symptomatic) (R72.0)
plasmacytosis (R72.0)

D72.9 Disorder of white blood cells, unspecified

D73 Diseases of spleen

D73.0 Hyposplenism
Atrophy of spleen
Excludes1: asplenia (congenital) (Q89.01)
postsurgical absence of spleen (Z90.81)

D73.1 Hypersplenism
Excludes1: splenitis, splenomegaly in late syphilis (A52.79)
splenitis, splenomegaly in tuberculosis (A18.85)
splenomegaly NOS (R16.1)
splenomegaly congenital (Q89.0)

D73.2 Chronic congestive splenomegaly

D73.3 Abscess of spleen

D73.4 Cyst of spleen

D73.5 Infarction of spleen
Splenic rupture, nontraumatic
Torsion of spleen
Excludes1: rupture of spleen due to Plasmodium vivax malaria (B51.0)
traumatic rupture of spleen (S36.03-)

D73.8 Other diseases of spleen

Fibrosis of spleen NOS
Perisplenitis
Splenitis NOS

D73.9 Disease of spleen, unspecified

D74 Methemoglobinemia

D74.0 Congenital methemoglobinemia
Congenital NADH-methemoglobin reductase deficiency
Hemoglobin-M [Hb-M] disease
Methemoglobinemia, hereditary

D74.8 Other methemoglobinemias
Acquired methemoglobinemia (with sulfhemoglobinemia)
Toxic methemoglobinemia
Use additional external cause code (Chapter XX) to identify cause.

D74.9 Methemoglobinemia, unspecified

D75 Other diseases of blood and blood-forming organs

Excludes2: acute lymphadenitis (L04.-)
chronic lymphadenitis (I88.1)
enlarged lymph nodes (R59.-)
hypergammaglobulinemia NOS (D89.2)
lymphadenitis NOS (I88.9)
mesenteric lymphadenitis (acute) (chronic) (I88.0)

D75.0 Familial erythrocytosis
Benign polycythemia
Familial polycythemia
Excludes1: hereditary ovalocytosis (D58.1)

D75.1 Secondary polycythemia
Acquired polycythemia
Emotional polycythemia
Hypoxemic polycythemia
Nephrogenous polycythemia
Polycythemia due to erythropoietin
Polycythemia due to fall in plasma volume
Polycythemia due to high altitude
Polycythemia due to stress
Relative polycythemia
Excludes1: polycythemia neonatorum (P61.1)
polycythemia vera (D45)

D75.2 Essential thrombocytosis
Excludes1: essential (hemorrhagic) thrombocythemia (D47.3)

D75.8 Other specified diseases of blood and blood-forming organs
Basophilia

D75.9 Disease of blood and blood-forming organs, unspecified

D76 Certain diseases involving lymphoreticular tissue and reticulohistiocytic system

Excludes1: Letterer-Siwe disease (C96.0)
malignant histiocytosis (C96.1)
histiocytic medullary reticuloendotheliosis or reticulosis (C96.1)
leukemic reticuloendotheliosis or reticulosis (C91.4-)
lipomelanotic reticuloendotheliosis or reticulosis (I89.8)
malignant reticuloendotheliosis or reticulosis (C85.7-)
nonlipid reticuloendotheliosis or reticulosis (C96.0)

D76.0 Langerhans' cell histiocytosis, not elsewhere classified
Eosinophilic granuloma
Hand-Schüller-Christian disease
Histiocytosis X (chronic)

D76.1 Hemophagocytic lymphohistiocytosis
Familial hemophagocytic reticulosis
Histiocytoses of mononuclear phagocytes other than Langerhans' cells NOS

D76.2 Hemophagocytic syndrome, infection-associated
Use additional code to identify infectious agent or disease.

D76.3 Other histiocytosis syndromes
Reticulohistiocytoma (giant-cell)
Sinus histiocytosis with massive lymphadenopathy
Xanthogranuloma

D77 Other disorders of blood and blood-forming organs in diseases classified elsewhere

Code first underlying disease, such as:
amyloidosis (E85)
congenital early syphilis (A50.0)
echinococcosis (B67.0-B67.9)
malaria (B50.0-B54)
schistosomiasis [bilharziasis] (B65.0-B65.9)
vitamin C deficiency (E54)

Excludes1: rupture of spleen due to Plasmodium vivax malaria (B51.0)
splenitis, splenomegaly in:
late syphilis (A52.79)
tuberculosis (A18.85)

D78 Intraoperative and postprocedural complications of procedures on the spleen

D78.0 Intraoperative and postprocedural hemorrhage or hematoma complicating procedures on the spleen
Excludes1: intraoperative hemorrhage or hematoma due to accidental

puncture or laceration during a procedure on the spleen (D78.1-)

D78.01 Intraoperative hemorrhage of the spleen during a procedure on the spleen

D78.02 Intraoperative hemorrhage of other organ or structure during a procedure on the spleen

D78.03 Intraoperative hematoma of the spleen during a procedure on the spleen

D78.04 Intraoperative hematoma of other organ or structure during a procedure on the spleen

D78.05 Postprocedural hemorrhage of the spleen following a procedure on the spleen

D78.06 Postprocedural hemorrhage of other organ or structure following a procedure on the spleen

D78.07 Postprocedural hematoma of the spleen following a procedure on the spleen

D78.08 Postprocedural hematoma of other organ or structure following a procedure on the spleen

D78.1 Accidental puncture or laceration during a procedure on the spleen

D78.11 Accidental puncture or laceration of the spleen during a procedure on the spleen

D78.12 Accidental puncture or laceration of other organ or structure during a procedure on the spleen

D78.8 Other intraoperative and postprocedural complications of procedures on the spleen

D78.81 Other intraoperative complications of procedures on the spleen

D78.89 Other postprocedural complications of procedures on the spleen

Certain disorders involving the immune mechanism (D80-D89)

Includes: defects in the complement system
immunodeficiency disorders, except human immunodeficiency virus [HIV] disease
sarcoidosis

Excludes1: autoimmune disease (systemic) NOS (M35.9)
functional disorders of polymorphonuclear neutrophils (D71)
human immunodeficiency virus [HIV] disease (B20)

D80 Immunodeficiency with predominantly antibody defects

D80.0 Hereditary hypogammaglobulinemia
Autosomal recessive agammaglobulinemia (Swiss type)
X-linked agammaglobulinemia [Bruton] (with growth hormone deficiency)

D80.1 Nonfamilial hypogammaglobulinemia
Agammaglobulinemia with immunoglobulin-bearing B-lymphocytes
Common variable agammaglobulinemia [CVAgamma]
Hypogammaglobulinemia NOS

D80.2 Selective deficiency of immunoglobulin A [IgA]
D80.3 Selective deficiency of immunoglobulin G [IgG] subclasses
D80.4 Selective deficiency of immunoglobulin M [IgM]
D80.5 Immunodeficiency with increased immunoglobulin M [IgM]
D80.6 Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinemia
D80.7 Transient hypogammaglobulinemia of infancy
D80.8 Other immunodeficiencies with predominantly antibody defects
Kappa light chain deficiency
D80.9 Immunodeficiency with predominantly antibody defects, unspecified

D81 Combined immunodeficiencies

Excludes1: autosomal recessive agammaglobulinemia (Swiss type) (D80.0)

D81.0 Severe combined immunodeficiency [SCID] with reticular dysgenesis
D81.1 Severe combined immunodeficiency [SCID] with low T- and B-cell numbers
D81.2 Severe combined immunodeficiency [SCID] with low or normal B-cell numbers
D81.3 Adenosine deaminase [ADA] deficiency
D81.4 Nezelof's syndrome
D81.5 Purine nucleoside phosphorylase [PNP] deficiency
D81.6 Major histocompatibility complex class I deficiency
Bare lymphocyte syndrome
D81.7 Major histocompatibility complex class II deficiency
D81.8 Other combined immunodeficiencies
D81.81 Biotin-dependent carboxylase deficiency
Multiple carboxylase deficiency
Excludes1: biotin-dependent carboxylase deficiency due to dietary deficiency of biotin (E53.8)
D81.810 Biotinidase deficiency
D81.818 Other biotin-dependent carboxylase deficiency
Other multiple carboxylase deficiency
Holocarboxylase synthetase deficiency
D81.819 Biotin-dependent carboxylase deficiency, unspecified
Multiple carboxylase deficiency, unspecified
D81.89 Other combined immunodeficiencies
D81.9 Combined immunodeficiency, unspecified
Severe combined immunodeficiency disorder [SCID] NOS

D82 Immunodeficiency associated with other major defects

Excludes1: ataxia telangiectasia [Louis-Bar] (G11.3)

D82.0 Wiskott-Aldrich syndrome
Immunodeficiency with thrombocytopenia and eczema
D82.1 Di George's syndrome

Pharyngeal pouch syndrome
Thymic alymphoplasia
Thymic aplasia or hypoplasia with immunodeficiency

D82.2 Immunodeficiency with short-limbed stature

D82.3 Immunodeficiency following hereditary defective response to Epstein-Barr virus

X-linked lymphoproliferative disease

D82.4 Hyperimmunoglobulin E [IgE] syndrome

D82.8 Immunodeficiency associated with other specified major defects

D82.9 Immunodeficiency associated with major defect, unspecified

D83 Common variable immunodeficiency

D83.0 Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function

D83.1 Common variable immunodeficiency with predominant immunoregulatory T-cell disorders

D83.2 Common variable immunodeficiency with autoantibodies to B- or T-cells

D83.8 Other common variable immunodeficiencies

D83.9 Common variable immunodeficiency, unspecified

D84 Other immunodeficiencies

D84.0 Lymphocyte function antigen-1 [LFA-1] defect

D84.1 Defects in the complement system

C1 esterase inhibitor [C1-INH] deficiency

D84.8 Other specified immunodeficiencies

D84.9 Immunodeficiency, unspecified

D86 Sarcoidosis

D86.0 Sarcoidosis of lung

D86.1 Sarcoidosis of lymph nodes

D86.2 Sarcoidosis of lung with sarcoidosis of lymph nodes

D86.3 Sarcoidosis of skin

D86.8 Sarcoidosis of other sites

D86.81 Sarcoid meningitis

D86.82 Multiple cranial nerve palsies in sarcoidosis

D86.83 Sarcoid iridocyclitis

D86.84 Sarcoid pyelonephritis

Tubulo-interstitial nephropathy in sarcoidosis

D86.85 Sarcoid myocarditis

D86.86 Sarcoid arthropathy

Polyarthritis in sarcoidosis

D86.87 Sarcoid myositis

D86.89 Sarcoidosis of other sites

Hepatic granuloma
Uveoparotid fever [Heerfordt]

D86.9 Sarcoidosis, unspecified

D89 Other disorders involving the immune mechanism, not elsewhere classified

Excludes1: hyperglobulinemia NOS (R77.1)
monoclonal gammopathy (D47.2)
Excludes2: transplant failure and rejection (T86.-)

D89.0 Polyclonal hypergammaglobulinemia
Benign hypergammaglobulinemic purpura
Polyclonal gammopathy NOS
Waldenström's hypergammaglobulinemic purpura (D89.0)

D89.1 Cryoglobulinemia
Cryoglobulinemic purpura
Cryoglobulinemic vasculitis
Essential cryoglobulinemia
Idiopathic cryoglobulinemia
Mixed cryoglobulinemia
Primary cryoglobulinemia
Secondary cryoglobulinemia

D89.2 Hypergammaglobulinemia, unspecified

D89.8 Other specified disorders involving the immune mechanism, not elsewhere classified
Excludes1: human immunodeficiency virus disease (B20)

D89.9 Disorder involving the immune mechanism, unspecified
Immune disease NOS